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1 Engineering web cache consistency 100%

Jian Yin , Lorenzo Alvisi , Mike Dahlin , Arun Iyengar
ACM Transactions on Internet Technology (TOIT) August 2002
Volume 2 Issue 3

Server-driven consistency protocols can reduce read latency and improve data freshness for a given network and server overhead, compared to the traditional consistency protocols that rely on client polling. Server-driven consistency protocols appear particularly attractive for large-scale dynamic Web workloads because dynamically generated data can change rapidly and unpredictably. However, there have been few reports on engineering server-driven consistency for such workloads. This article repo ...

2 Challenges: Challenge:: recombinant computing and the 100%

speakeasy approach
W. Keith Edwards , Mark W. Newman , Jana Sedivy , Shahram Izadi
Proceedings of the eighth annual international conference on Mobile computing and networking September 2002

Interoperability among a group of devices, applications, and services is typically predicated on those entities having some degree of prior knowledge of each other. In general, they must be written to understand the type of thing with which they will interact, including the details of communication as well as semantic knowledge such as when and how to communicate. This

paper presents a case for "recombinant computing" -- a set of common interaction patterns that leverage mobile code to allow r

...

- 3** Performance: Cooperative leases: scalable consistency 100%

 maintenance in content distribution networks

Anoop Ninan , Purushottam Kulkarni , Prashant Shenoy , Krithi Ramamritham , Renu Tewari

Proceedings of the eleventh international conference on World Wide Web May 2002

In this paper, we argue that cache consistency mechanisms designed for stand-alone proxies do not scale to the large number of proxies in a content distribution network and are not flexible enough to allow consistency guarantees to be tailored to object needs. To meet the twin challenges of scalability and flexibility, we introduce the notion of cooperative consistency along with a mechanism, called *cooperative leases*, to achieve it. By supporting &Dgr;-consistency semantics and by using ...

- 4** Engineering component-based net-centric systems for 100%

 embedded applications

Jens H. Jahnke

ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering September 2001

Volume 26 Issue 5

The omnipresence of the Internet and the World Wide Web (Web) via phone lines, cable-TV, power lines, and wireless RF devices has created an inexpensive media for telemonitoring and remotely controlling distributed electronic appliances. The great variety of potential benefits of aggregating and connecting embedded systems over the Internet is matched by the currently unsolved problem of how to design, test, maintain, and evolve such heterogeneous, collaborative systems. Recently, component-orie

...

- 5** Adaptive push-pull: disseminating dynamic web data 100%

 Pavan Deolasee , Amol Katkar , Ankur Panchbudhe , Krithi

Ramamritham , Prashant Shenoy

Proceedings of the tenth international conference on World Wide Web April 2001

- 6** Engineering server-driven consistency for large scale dynamic 100%

4 Web services

Jian Yin , Lorenzo Alvisi , Mike Dahlin , Arun Iyengar

Proceedings of the tenth international conference on World Wide
Web April 2001

7 PRO-MOTION: management of mobile transactions 100%

 Gary D. Walborn , Panos K. Chrysanthis

Proceedings of the 1997 ACM symposium on Applied computing April
1997

8 Consortium: a framework for transactions in collaborative environments 100%



Vram Kouramajian , Ross Dargahi , Jerry Fowler , Donald Baker

Proceedings of the fourth international conference on Information
and knowledge management December 1995

9 A coherent distributed file cache with directory write-behind 100%

 Timothy Mann , Andrew Birrell , Andy Hisgen , Charles Jerian , Garret
Swart

ACM Transactions on Computer Systems (TOCS) May 1994

Volume 12 Issue 2

Extensive caching is a key feature of the Echo distributed file system. Echo client machines maintain coherent caches of file and directory data and properties, with write-behind (delayed write-back) of all cached information. Echo specifies ordering constraints on this write-behind, enabling applications to store and maintain consistent data structures in the file system even when crashes or network faults prevent some writes from being completed. In this paper we describe ...

10 Disconnected operation in the Coda File System 100%

 James J. Kistler , M. Satyanarayanan

ACM Transactions on Computer Systems (TOCS) February 1992

Volume 10 Issue 1

Disconnected operation is a mode of operation that enables a client to continue accessing critical data during temporary failures of a shared data repository. An important, though not exclusive, application of disconnected operation is in supporting portable computers. In this paper, we show that disconnected operation is feasible, efficient and usable by describing its design and implementation in the Coda File System. The central idea behind our work is that cache ...

11 Disconnected operation in the Coda file system 100%

 James J. Kistler , M. Satyanarayanan
ACM SIGOPS Operating Systems Review , Proceedings of the
thirteenth ACM symposium on Operating systems principles
September 1991
Volume 25 Issue 5

12 Practical uses of synchronized clocks in distributed systems 100%
 Barbara Liskov
Proceedings of the tenth annual ACM symposium on Principles of
distributed computing July 1991

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maintenance in content distribution networks

Anoop Ninan , Purushottam Kulkarni , Prashant Shenoy , Krithi Ramamritham , Renu Tewari

Proceedings of the eleventh international conference on World Wide Web May 2002

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Volume 2 Issue 3

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3 Engineering server-driven consistency for large scale dynamic 100%

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April 2001

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Proceedings of the tenth annual ACM symposium on Principles of
distributed computing July 1991

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TITLE: File manager providing distributed locking and metadata management for shared data access by clients relinquishing locks after time period expiration

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2. Document ID: US 5708709 A

L1: Entry 2 of 4

File: USPT

Jan 13, 1998

US-PAT-NO: 5708709

DOCUMENT-IDENTIFIER: US 5708709 A

TITLE: System and method for managing try-and-buy usage of application programs

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3. Document ID: US 5530905 A

L1: Entry 3 of 4

File: USPT

Jun 25, 1996

US-PAT-NO: 5530905

DOCUMENT-IDENTIFIER: US 5530905 A

TITLE: Temporary state preservation for a distributed file service which purges virtual circuit control information after expiration of time limit of inactivity

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4. Document ID: US 4914586 A

L1: Entry 4 of 4

File: USPT

Apr 3, 1990

US-PAT-NO: 4914586

DOCUMENT-IDENTIFIER: US 4914586 A

TITLE: Garbage collector for hypermedia systems

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